# Michael E. Kronovet

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## Education

**Carnegie Mellon University** . . . . . August 2017 – May 2020
GPA: 3.74/4.00
*Bachelor of Science in Statistics and Machine Learning*

**Relevant Courses**
Intro to Machine Learning (PhD), Probabilistic Graphical Models (PhD), Convex Optimization (PhD), Foundations of Causal Inference (PhD), Algorithms and Advanced Data Structures

## Work Experience

**Incoming Data Scientist at Foundry.ai** . . . . . August 2020–

**Incoming Computational Immunology Intern at Regeneron** . . . . . May 2020 – August 2020

**Data Scientist with Ikos** . . . . . August 2019 – December 2019

- Built an interactive app for the real estate startup to predict how much property rentals across Pittsburgh would rent for and how quickly they would rent.

**Quantitative Trading Intern at Virtu Financial** . . . . . June 2019 – August 2019

- Worked on the algorithms team at the high frequency trading firm to predict profitable ETF price deviations from the NAV and alter trading strategies based on these price shifts.

## Projects & Activities

**TA for 10-701 Intro Machine Learning (PhD)** . . . . . January 2020 – May 2020

- Presented lectures, wrote homework/test problems, held office hours, and advised final projects.

**Computational Biology Researcher with Professor Jian Ma** . . . . . May 2019 – May 2020

- Developed methods for learning the structure of a multiDAG network embedded within a hidden Markov model where each hidden state in the HMM corresponded to a possible cell lineage.

**Carnegie Mellon Racing System Lead for Car Pedals** . . . . . September 2017 – January 2019

- Designed the car's pedals in Solidworks and simulated forces applied to the pedals with FEA.
- **Placed 1st** in the 2018 Formula SAE Electric Vehicle Competition.

**Intellichess** . . . . . November 2017

- Trained a neural network on grandmaster chess games to replicate Stockfish's scoring algorithm. The AI parsed possible moves with minimax search and then evaluated moves using the neural network.

**Muon Scattering Tomography Developer** . . . . . August 2016 – May 2017

- Built prototype that used silicon photomultiplier arrays paired with organic scintillators to determine the trajectory of cosmic ray muons, reducing the costs of muon tomography.
- **Placed 3rd** in Physics and Astronomy at Intel International Science and Engineering Fair.

## Skills & Interests

**Skills**: Python, C, R, SQL, Tableau, Javascript, HTML/CSS, Matlab, CAD, Unity, Microsoft Excel

**Interests**: Data Science, Artificial Intelligence, Predictive Modeling, Bioinformatics, Computer Vision